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(71) Applicant (for all designated States except US): BP CHEMICALS LIMITED [GB/GB]; Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7BP (GB).

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(72) Inventor; and

(75) Inventor/Applicant (for US only): SMITH, Warren, John [GB/GB]; Endfield House, Sunk Island Road, Otringham, East Riding HU12 0DX (GB).

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(74) Agent: BROOKE, Caron; BP International Limited, Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7LN (GB).

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(54) Title: PROCESS FOR PRODUCING CARBONYLATION PRODUCTS

(57) Abstract: A carbonylation process for producing a carbonylation product by contacting carbon monoxide with a feed comprising an alcohol and/or a reactive derivative thereof in the vapour phase using an heterogeneous heteropolyacid catalyst comprising one or more metal cations selected from Cu, Fe, Ru, Os, Co, Rh, Ir, Ni, Pd and Pt and wherein there is at least 0.5wt% water present in the feed.